

# EARTH GROUND ELECTRODE SUBSYSTEM CHECKLIST FOR NEW FACILITIES

For use of this form, see TM 5-690; the proponent agency is COE.

1. FACILITY	2. DATE (YYYYMMDD)
3. LOCATION	4. INSPECTOR
5. SOIL RESISTIVITY ( <i>ohm-cm</i> ) ( <i>Obtain from site survey or from the measured resistance of a rod or group of rods</i> )	6. RESISTANCE OF COMPLETED EARTH ELECTRODE SUBSYSTEM ( <i>ohms</i> )
7. SKETCH OF FINAL EARTH ELECTRODE SUBSYSTEM ( <i>Show dimensions, locations of other buried metal objects, risers for lightning, power, or signal ground connections, and any ground wells.</i> ) ( <i>Corrected engineering drawings may be attached in lieu of sketch.</i> )	

## COMPONENT IDENTIFICATION

8. GROUND RODS		
8a. TYPE	8b. SIZE	8c. NUMBER OF ADDITIONAL RODS
8d. POSITIONED AND INSTALLED AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO		8e. PHYSICAL CONDITION
9. GROUND CONDUCTORS		
9a. TYPE	9b. SIZE	9c. MATERIAL
9d. DISTANCE BETWEEN TWO SUCCESSIVE GROUND CONDUCTORS		9e. BURIED DEPTH
10. INTERCONNECTING CONDUCTORS		
10a. TYPE	10b. SIZE	10c. MATERIAL
11. CONNECTORS/FITTINGS		
11a. PROPER TYPE/SIZE/MATERIAL AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO		11b. MEASUREMENT OF RESISTANCE BETWEEN TWO CONNECTION POINTS
12. RISERS		
12a. PROPERLY INSTALLED <input type="checkbox"/> YES <input type="checkbox"/> NO	12b. PROPERLY SIZED <input type="checkbox"/> YES <input type="checkbox"/> NO	12c. LOCATED AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO
13. FUTURE INACCESSIBLE JOINTS AND CONNECTIONS		
13a. PROPERLY INSTALLED <input type="checkbox"/> YES <input type="checkbox"/> NO		13b. PROPERLY CONNECTED <input type="checkbox"/> YES <input type="checkbox"/> NO
14. GROUND WELLS		
14a. INSTALLED AS SPECIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO		14b. MEASURED RESISTANCE-TO-EARTH ( <i>ohms</i> )